



U.S. Department
of Transportation
**Federal Aviation
Administration**

Mike Monroney
Aeronautical Center

Oklahoma City, Oklahoma 73125

Wednesday, March 10, 2010

National Transportation Safety Board
624 Six Flags Drive, Suite 150
Arlington, TX 76011

ACCIDENT # 0021 INDIVIDUAL#: 001 NAME: GREEN, GREGORY MODE: AVIATION
DATE OF ACCIDENT 01/23/2010 DATE RECEIVED 01/26/2010 PUTREFACTION: No
N # 145AG NTSB # GEN10FA107 CAMI REF # 201000021001
LOCATION OF ACCIDENT Waxahachie, TX
SPECIMENS Bile, Blood, Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spleen, Urine, Vitreous

FINAL FORENSIC TOXICOLOGY FATAL ACCIDENT REPORT

CARBON MONOXIDE: The carboxyhemoglobin (COHb) saturation is determined by spectrophotometry with a 10% cut off and confirmed by chromatography.

>> NO CARBON MONOXIDE detected in Blood

CYANIDE: The presence of cyanide is screened by Conway Diffusion. Positive cyanides are quantitated by spectrophotometry and confirmed by chromatography. The reporting cutoff for cyanide is 0.25 ug/mL. Normal blood cyanide concentrations are less than 0.15 ug/mL, while lethal concentrations are greater than 3 ug/mL.

>> NO CYANIDE detected in Blood

VOLATILES: The volatile concentrations are determined by headspace gas chromatography at a cut off of 10 mg/dL. Where possible, positive ethanol values are confirmed by Radiative Energy Attenuation.

>> NO ETHANOL detected in Vitreous

DRUGS: Immunoassay and/or chromatography are used to screen for legal and illegal drugs which include: amphetamine (0.010), opiates (0.010), marihuana (0.001), cocaine (0.020), phencyclidine (0.002), benzodiazepines (0.030), barbiturates (0.060), antidepressants (0.100), antihistamines (0.020), meprobamate (0.100), methaqualone (0.100), and nicotine (0.050). The values in () are the threshold values in ug/mL used to report positive results. Values below this concentration are normally reported as not detected. GC/Mass Spec, HPLC/Mass Spec, or GC/FTIR, is used to confirm most positive results.

>> 0.159 (ug/ml, ug/g) Diphenhydramine detected in Blood

>> Diphenhydramine detected in Urine

Russell Lewis, Ph.D.
TC, FAA, Forensic Toxicology
Research Team CAMI

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